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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/085,359	02/28/2002	Sukun Zhang	321.087	6609	
7	7590 09/18/2003				
B. Craig Killough Barnwell Whaley Patterson & Helms, LLC Suite 300 134 Meeting Street Charleston, SC 29401			EXAMINER GOODROW, JOHN L		
			Charleston, SC	. 29401	
			DATE MAILED: 09/18/2003	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	10/085359	4	- hang	et A
Omec Action Summary	Examiner		Group Art Cit	
	Good	<u>ow</u>	1751	<u> </u>
—The MAILING DATE of this communication appear	s on the cover sheet b	eneath the co	orrespondence a	ddress
Period for Reply				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO	EXPIRE 3	MONTH(S	FROM THE MA	II ING DATE
OF THIS COMMUNICATION.			,	
<ul> <li>Extensions of time may be available under the provisions of 37 CFR 1. from the mailing date of this communication.</li> <li>If the period for reply specified above is less than thirty (30) days, a replied in NO period for reply is specified above, such period shall, by default, a Failure to reply within the set or extended period for reply will, by statut</li> </ul>	oly within the statutory minimexpire SIX (6) MONTHS from	um of thirty (30) n the mailing date	days will be consider	red timely.
Status				
☐ Responsive to communication(s) filed on		, <u>,</u>		
☐ This action is <b>FINAL</b> .				
<ul> <li>Since this application is in condition for allowance except faccordance with the practice under Ex parte Quayle, 1935</li> </ul>	or formal matters, <b>pros</b> C.D. 1 1; 453 O.G. 213	ecution as to	the merits is clo	sed in
Disposition of Claims				
X Claim(s) 1-20		is/are p	ending in the app	olication.
Of the above claim(s)		is/are v	vithdrawn from co	nsideration.
☐ Claim(s)				
X Claim(s) /-30		is/are r	ejected.	
☐ Claim(s)				
□ Claim(s)		are sub	ject to restriction	or election
Application Papers		require		
••				
☐ See the attached Notice of Draftsperson's Patent Drawing	Review. PTO-948.			
<ul> <li>□ See the attached Notice of Draftsperson's Patent Drawing</li> <li>□ The proposed drawing correction, filed on</li> </ul>		☐ disapproved	<b>l</b> .	
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<ul> <li>☐ The proposed drawing correction, filed on is/are objected</li> <li>☐ The drawing(s) filed on is/are objected</li> <li>☐ The specification is objected to by the Examiner.</li> <li>☐ The oath or declaration is objected to by the Examiner.</li> </ul>	is 🗌 approved	□ disapproved	l.	
<ul> <li>□ The proposed drawing correction, filed on</li></ul>	is approved to by the Examiner.  def to by the Examiner.  def 35 U.S.C. § 11 9(a)-(a)-(a)-(b)-(b)-(b)-(b)-(b)-(b)-(c)-(c)-(c)-(c)-(c)-(c)-(c)-(c)-(c)-(c	d). ve been		
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U. S. Patent and Trademark Office PTO-326 (Rev. 9-97)

Part of Paper No.

Serial No. 10/085,359 -2-Art Unit 1756 The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made. 2. Claims 1-20 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Uyttendaele et al. in view of Urashima et al., Hamano et al. and Hal et al. Uyttendaele et al. teaches an electrophotographic process in which a toner having two reagents is transferred and fixed by heat or heat and pressure. Applicant's attention is directed to column 4 lines 30-35 wherein is taught the toner having two reagents that react together during the fixing step. The use of a toner that reacts with heat or heat and light is further taught by Hamano et al. where low temperature is utilized in the fixing of a toner having a binder resin with a crystalline component that lowers the melting point of the resin. Urashima et al. also teaches the low temperature fixing of an electrostatic toner. Applicant's attention is directed to column 1 lines 62-69 and column 12 lines 50-65. et al. teaches a heat activated electrophotographic printing process in which transfer of the developed image can be to

Art Unit 1756

clothing or textile materials (note the Background of the Invention) in which heat is used to activate the dyes in the transfer process. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention with a reasonable expectation of success to utilize in the fixing of the electrostatic developed image reagents that react to improve the image of the transferred toner having two reactants that react in the fixing of the developed image.

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September 10, 2003

JOHN GOODROW PRIMARY EXAMINER ART UNIT 157